

SAFETY DATA SHEET

SECTION 1

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Apparent Rhodamine Marker 150**

Other Names: Rhodamine B.
Use: A liquid marking dye and foam marker colouring agent.
Company: Apparent Pty Ltd
Address: Suite G.08, 762 Toorak Road, Glen Iris, Vic.
PO Box 3092, Cotham PO, Kew, Vic 3101
ACN/ABN: 143 724 136
Telephone Number: 03 9822 1321
Fax Number: 03 9817 7845
Emergency Contact: 0411 227 338
Email: wardell@bigpond.net.au

SECTION 2

HAZARDS IDENTIFICATION

**Classified as hazardous according to criteria of Safe Work Australia.
Not classified as a Dangerous Good according to the ADG Code.**

GHS Classification:

Acute toxicity: Category 4.
Eye damage: Category 1.

Signal Word: DANGER

Hazard Statements:

H302 Harmful if swallowed.
H318 Causes serious eye damage.

Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash face, arms and hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P330 Rinse mouth.
P501 Dispose of contents/container in accordance with national regulations.

Pictograms:



SECTION 3

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

CHEMICAL	CAS NUMBER	PROPORTION
Rhodamine	81-88-9	150 g/L
Diethylene glycol	111-46-6	60-90%
Other ingredients determined not to be hazardous		Balance

SECTION 4**FIRST AID MEASURES****FIRST AID**

Ingestion: If swallowed do NOT induce vomiting. Wash mouth with water and give plenty of water to drink. If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 131 126.

Eye contact: If in eyes, hold eyelids open and wash with copious amounts of water until the chemical is removed.

Skin contact: Wash affected areas thoroughly with soap and water. Remove contaminated clothing and launder before re-use. Wash skin with soap and water. If skin irritated persists, re-wash area and seek medical advice.

Inhalation: Remove to fresh air and observe until recovered. If effects develop or persist, seek medical advice.

Advice to Doctor: Treat symptomatically. Gastric lavage with medicinal charcoal in water is recommended.

SECTION 5**FIRE FIGHTING MEASURES**

Specific Hazard: Combustible Liquid (C1). Flashpoint > 96°C.

Extinguishing media: Combustible liquid (C1). Extinguish fire using foam blanket, carbon dioxide or dry agent. If not available, use waterfog or fine water spray but ensure all runoff is contained. Contain all runoff.

Hazards from combustion products: Product will decompose when burnt and will emit toxic and noxious fumes. Eruption of containers is likely if confined at high temperatures. Intact containers exposed to excessive heat should be cooled with water to reduce drum pressure.

Precautions for fire-fighters and special protective equipment: Isolate fire area. Evacuate downwind residents. Wear full protective clothing and self contained breathing apparatus. Do not breathe smoke or vapours generated.

SECTION 6**ACCIDENTIAL RELEASE MEASURES**

Emergency procedures / Material and methods for containment and cleanup procedures:

Accidental release: In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and PVC gloves. Eye/face protective equipment should comprise as a minimum, protective glasses and preferably, goggles.

In the case of spillage, stop leak if safe to do so, and contain spill. Contain spill and sweep up and shovel or collect recoverable material into labelled containers for use, recycling or dispose as waste as indicated in section 13 or according to the Australian Standard 2507 - Storage and Handling of Pesticides. Keep out animals and unprotected persons.

After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Thoroughly launder protective clothing before storage or re-use.

SECTION 7**HANDLING AND STORAGE**

Precautions for Safe Handling: No smoking, eating or drinking should be allowed where material is used or stored. Do not swallow. Avoid contact with eyes and skin. Do not inhale mist. Wash hands after use. Rhodamine Marker 150 is coloured and will strongly stain skin and clothing. If skin has been exposed to the product, thorough washing with soap and water will remove any excess product. The colour on the skin is not deep and will naturally disappear over a few days.

Conditions for Safe Storage: Not classified as a Dangerous Good. Store in the closed, original container in a well ventilated area away from children, animals, food, feedstuffs, seed and fertilisers. Do not store for prolonged periods in direct sunlight.

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Guidelines:**

Exposure guidelines have been established for an ingredient in this product by Safe Work Australia.

Atmospheric Contaminant	Exposure Standard (TWA)	STEL (mg/m ³)
Diethylene glycol (2,2'-Oxybis[ethanol])	100 mg/m ³ (23 ppm)	-

TWA = Time-weight Average STEL = Short term Exposure Limit

Biological Limit Values:

No biological limit allocated.

Engineering controls:

Keep containers closed when not in use. No special engineering controls are required, however make sure that the work environment remains clean and that vapours are minimised.

Personal Protective equipment (PPE):

It is good practice to wear suitable personal protective equipment (PPE) eg. overalls, goggles and PVC gloves. Do not swallow. Avoid contact with eyes and skin. Do not inhale mist. Wash hands after use.

Personal Hygiene: Clean water should be available for washing in case of eye or skin contamination. Wash skin before eating, drinking or smoking. Shower at the end of the workday.

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Deep red liquid.
Odour:	No odour.
Boiling point:	No data available.
Freezing point:	No data available.
Specific Gravity:	Approximately 0.95
Solubility in Water:	Soluble.
pH:	3.7 – 4 (1% solution).
Flammability:	Combustible Liquid (C1).
Flashpoint (°C):	> 96°C.
Poisons Schedule:	Not a scheduled poison.

SECTION 10**STABILITY AND REACTIVITY**

Chemical Stability: Product is considered stable in ambient conditions for a period of at least 2 years after manufacture.

Conditions to avoid: Do not store for prolonged periods in direct sunlight.

Incompatible materials: Avoid contact with aluminium, alumin alloys, copper rich alloys and neoprene.

Hazardous decomposition products: Violent reactions between spray marker dye and oxidising agents are possible.

Hazardous reactions: Polymerisation will not occur.

SECTION 11**TOXICOLOGICAL INFORMATION**

No specific data is available for this product as no toxicity tests have been conducted on this product. Information presented is our best judgement based on similar products and/or individual components. As with all products for which limited data is available, caution must be exercised through the use of protective equipment and handling procedures to minimise exposure.

Potential Health Effects:**ACUTE EFFECTS**

Swallowed: Harmful if swallowed. Possible symptoms of exposure include: nausea, vomiting and central nervous system depression. Acute Oral LD₅₀ 400 - 2000 mg/kg for Rhodamine B.

Eye: This product is irritating to the eyes. Prolonged contact with the product may cause damage to the eye.

SECTION 11 TOXICOLOGICAL INFORMATION (Continued)

Skin: Prolonged contact with this product may be irritating to the skin. Prolonged contact with the concentrate can cause defatting of the skin and may result in dermatitis. This product will stain the skin which may persist for some time.

Inhaled: Inhalation of mists or sprays may produce respiratory irritation. Breathing vapour can result in headaches and nausea. The components of the product are of low volatility and no adverse effects are expected from handling the concentrate.

Long Term Exposure:

Carcinogenicity: Rhodamine B has been assessed in animals and some data exists that Rhodamine B is a substance which causes some concern for humans owing to possible carcinogenic effects from long term exposure, but in respect of which the available information is not adequate for making a satisfactory assessment. Rhodamine B has been included on US EPA List 4B. List 4B contains substances for which the US EPA has sufficient information to reasonably conclude that the current use pattern in pesticide products will not adversely affect public health or the environment.

SECTION 12 ECOLOGICAL INFORMATION

Environmental Toxicology: LC₅₀ (96hr) for fish is 10 - 100 mg/L for Rhodamine B. No additional ecotoxicological data is available. As with all chemicals, do not contaminate dams, waterways or sewers with this product or used containers.

Environmental Fate: No data available.

SECTION 13 DISPOSAL CONSIDERATIONS

Spills and Disposal: Persons involved in cleanup require adequate skin and eye protection - see section 8. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. To decontaminate spill area, tools and equipment, wash with detergent and water and add the solution to the drums of wastes already collected and label contents. Dispose of drummed wastes, including decontamination solution in accordance with the requirements of Local or State Waste Management Authorities.

Disposal of empty containers: Triple, or preferably, pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory regulations. Empty containers and product should not be burnt

SECTION 14 TRANSPORT INFORMATION

Road & Rail Transport: This product is not classified as a Dangerous Goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Marine and Air Transport: Product is not classified as a Dangerous Good according to International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA).

SECTION 15 REGULATORY INFORMATION

Under the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP), this product is not a scheduled poison.

This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. Product Registration No. 68849.

This product is classified as a Hazardous Substance under the criteria of Safe Work Australia. Xi, Irritant, Xn Harmful.

This product is not classified as a Dangerous Good according to the ADG Code (7th Ed).

SECTION 15 REGULATORY INFORMATION (Continued)

This product is not classified as a Dangerous Good according to International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA).

Requirements concerning special training:

Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

SECTION 16 OTHER INFORMATION

Issue Date: 17 December 2013. Valid for 5 years. (First issue).

Key to abbreviations and acronyms used in this MSDS:

ADG Code:	Australian Dangerous Goods Code (for the transport of dangerous goods by Road and Rail).
Carcinogen:	An agent which is responsible for the formation of a cancer.
Combustible Liquid:	Liquids that ignite with a flash point greater than 60°C.
Flammable Liquid:	Liquids that ignite with a flash point less than 60°C.
Genotoxic:	Capable of causing damage to genetic material, such as DNA.
HSIS:	Hazardous Substances information System.
Lacrimation:	The production, secretion, and shedding of tears.
Lavage:	A general term referring to cleaning or rinsing.
Mutagen:	An agent capable of producing a mutation.
NOHSC:	National Occupational Health and Safety Commission.
OCS:	Office of Chemical Safety.
Pneumonitis:	A general term that refers to inflammation of lung tissue.
PPE:	Personal protective equipment.
Teratogen:	An agent capable of causing abnormalities in a developing foetus.
TWA:	The Time Weighted Average airborne concentration over an eight-hour working day, for a five day working week over an entire working life.
Safe Work Australia:	Formally known as Australian Safety & Compensation Council (ASCC) which was formally known as the National Occupational Health & Safety Commission (NOHSC).

References

1. "Search Hazardous Substances". HSIS. Safe Work Australia website. (2013).
2. "Approved Criteria for Classifying Hazardous Substances" 3rd Ed. NOHSC Australia. [NOHSC:1008 (2004)]. October 2004.
3. Globally Harmonized System of Classification and Labelling of Chemicals (GHS). United Nations, 2009.

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

End SDS